

LISTĂ DE LUCRĂRI:

Articole științifice publicate în extenso în reviste cotate Web of Science cu factor de impact

- 1) **Bobric E.D.**, Stoleriu A.P., Niacsu L., Breaban I.G., The use of spectral techniques to monitor the vegetation status in a protected area in the Iasi county” in revista Present Environment and Sustainable Development 2023. (FI = 0.6, AIS 0.064).
- 2) Pîrnau, R.G., Patriche, C. V., Roșca, B., Mirea, D. A., Diaconu, V., Stan, O. C., **Bobric E. D.**, Vasiliniuc, I., Manailescu, C., Rusu C., Insights into the Phaeozems pedogenesis using total elemental composition analysis. A case study from north-eastern Romania, Journal Elsevier – Geoderma, 409, 2022 (doi.org/10.1016/j.geoderma.2021.115604), FI = 6.6, AIS 1.434).
- 3) Niacsu L., Sfîca L., Ursu A., Ichim P., **Bobric D. E.**, Breaban I. G., “Wind erosion on arable lands, associated with extreme blizzard conditions within the hilly area of Eastern Romania”, Environmental Research, 169 86-101, 2019. (FI 7.7, AIS 1.397).
- 4) **Bobric E.D.**, Rusu E., Melniciuc-Puica N., Breaban I.G., “Investigation of carbon content from Neamtu catchment soils using FTIR spectroscopy”, Journal of Environmental Protection and Ecology, 19(1), 288-299, 2018; (FI 0,507, AIS 0.043) ;
- 5) Rusu E., Balan M.G., Profir O., **Bobric D.**, "Influence of recent land use change on total organic carbon stock in Humor river basin", (2017), Environmental Engineering and Management Journal, vol.16 (4), pag 905-912, ISSN 1582-9596, (FI:0.9, AIS 0,092).
- 6) Banica A., **Bobric, E. D.**, Cazacu M.M., Timofte A., Gurlui S., Breaban, I. G., "Integrated assessment of exposure to traffic-related air pollution in Iasi city, Romania", (2017), Environmental Engineering and Management Journal, vol 16 (9), pag 2147-2163, ISSN 1582-9596, (FI:0.9, AIS 0,092).
- 7) Juravle D. T., Secu C. V., Breaban I. G., Lesenciuc D. C., Kasper, H. U., **Bobric, E. D.** “Pedo-geochemical differences between young soils: regosols and spolic technosols in Northern part of Eastern Carpathians (Romania)”, (2016), Journal of Environmental Protection and Ecology, 17(2), 566-575. (FI: 0,507, AIS 0.043).

Articole publicate în jurnale indexate ISI Proceedings / BDI:

- 1) Pascal M., **Bobric E.D.**, “Assessment of organic carbon in wetlands and riparian zone. Case study: common floodplain of Jijia-Prut rivers, Romania”, International Scientific Conference Geobalcanica, 39-47, 2018.
- 2) Breaban I.G., **Bobric E.D.**, Rusu E., Secu C.V., (2017), “Soil organic matter assessment from Neamtu catchment soils through various organic carbon methods”, SGEM 2017 Conference Proceedings, ISBN 978-619-7408-05-8 / ISSN 1314- 2704, Book 17 Issue 2, 507-514 2.
- 3) **Bobric E.D.**, Breaban I.G., Rusu E., (2017), “A comparison of soil organic carbon stocks in pastoral cropping and forest soils”, SGEM 2017 Conference Proceedings, ISBN 978-619-7408-05-8 / ISSN 1314-2704, Book 17 Issue 2, 703-710 .
- 4) **Bobric D.E.**, Rusu E., (2016), "The dynamics of the forests surfaces between 1990-2012 for the river basin Neamtu)", International Multidisciplinary Scientific Geo Conference-SGEM, vol.II, 2, pag.655-662, ISSN 1314-2704.



- 5) Banica A., **Bobric D. E.**, Breaban I.G., (2016)“Issues related to air quality monitoring in North-East Region (Romania)”,Energy and Clean Technologies Conference Proceedings, Sgem 2016, Vol II, pp. 451-458.

Abstracte publicate în volumele conferințelor:

1. Ediția a XXX-a Simpozionul Internațional Sisteme Informaționale Geografice 30 martie, 2024, Iași, Iuliana Gabriela Breabăn, Andreea Florina Stoleriu, Alexandra Petronela Stoleriu, **Elena Diana Bobric**, „Advancement in environmental remote sensing data: Sentinel 2images for monitoring vegetation and water state”,
2. Simpozionul Internațional “Present Environment and Sustainable Development” 2024, Iuliana Gabriela Breabăn, **Elena Diana Bobric**, Alexandra Petronela Stoleriu, Andreea Florina Stoleriu.” Bibliometric analysis of water quality and vegetation indices derived from sentinel 2 images”,
3. Simpozionul Internațional “Present Environment and Sustainable Development” 2024, Iuliana Gabriela Breabăn, Ioana Lazăr, Marius Adumitroaei, George Alion, **Elena Diana Bobric**.” The evolution of land use and carbon stock distribution in the Barnova Forest region”,
4. ESA Symposium on Earth Observation for soil protection and restoration, 2024, Alexandra Petronela Stoleriu, **Elena Diana Bobric**, Andreea Florina Stoleriu, Iuliana Gabriela Breabăn, „Soil organic carbon variation: A dual perspective on land use changes and spatial distribution in Neamtu catchement”,
5. Ediția a XXIX-a Simpozionul Internațional Sisteme Informaționale Geografice 30 martie, 2023, Iași, **Bobric Elena Diana**, Stoleriu Alexandra Petronela, Niacșu Lilian, Breabăn Iuliana Gabriela, “The use of spectral techniques to monitor the vegetation status in a protected area in the Iași county”
6. Simpozionul Internațional “Present Environment and Sustainable Development” 2023, Breabăn I. G., Alexandra-Petronela Stoleriu, Andreea-Florina Stoleriu, **Bobric E. D.**, Adrian Geroge Istrate.” Current trends and future directions on Environmental Remote Sensing”,
7. Simpozionul „Factori și procese pedogenetice din zona temperată”,2023, **Elena-Diana BOBRIC**; Alexandra Petronela STOLERIU; Iuliana Gabriela BREABĂN; Dumitru BULGARIU.” Determinarea materiei organice din solurile de padure din zona bazinului raului Neamtu prin FTIR.
8. Simpozionul „Factori și procese pedogenetice din zona temperată”,2023, Dumitru BULGARIU, Oana Cristina STAN; Constantin RUSU; **Elena Diana BOBRIC**, „Poluarea cu produși de combustie a solurilor din MUNICIPIUL IAȘI – CARTIERUL CENTRU. PARTEA I – distribuția și sursele de hidrocarburi aromatice polinucleare”,
9. WORKSHOP - Simpozionul „Factori și procese pedogenetice din zona temperată”,2023, Dumitru BULGARIU, Cristina Oana STAN, Constantin RUSU, **Elena Diana BOBRIC**, Dan AȘTEFANEI, Laura BULGARIU, Ionuț Claudiu SAULEA, Mihaela NICHITESCU, Actualizarea metodelor de analiză a solurilor și compatibilizarea lor cu sistemul român de taxonomie a solurilor (SRTS 2012). Analiza materiei organice din soluri (PARTEA I).
10. SEMINARUL GEOGRAFIC INTERNAȚIONAL„DIMITRIE CANTEMIR” a XLIII-a EDIȚIE 2023, Iasi, 27-29 Octombrie, 2023, Stoleriu A P., Stoleriu A F., **Bobric E D.**, Breabăn I G.,

„Integrating remote sensing methodological techniques on water and vegetation using Sentinel 2 data.

11. 12th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING AND MANAGEMENT, 13-16 Septembrie 2023, **Elena Diana Bobric**, Alexandra Petronela, Stoleriu, Lilian Niacșu, Iuliana Gabriela Breabăn, „Monitoring the health of biodiversity in a protected area by remote sensing biophysical index factor”.
12. Simpozionul Internațional -Present Environment and Sustainable Development” 2022 Characterization of organic matter under different soil types and uses with FTIR spectroscopy, **Bobric E. D.**, Melniciuc-Puica N., Breabăn I. G.
13. EGU General Assembly Conference Abstracts, “Abstracts 22, 9528, “Influence of different land uses on soils organic matter composition from North Eastern part of Romania based on DRIFT spectra.”, **Bobric E. D.**, Rusu E., Melniciuc-Puica N., Breabăn I. G;
14. Simpozionul Internațional -Present Environment and Sustainable Development” 2021- ed. a XVI-a, Soil carbon stock distribution in different lands uses;, **Bobric E. D.**, Breabăn I. G
15. Simpozionul Internațional -Present Environment and Sustainable Development” 2020– ed. a XV-a, Crop monitoring with multi-temporal Sentinel 2 images in NE part of Romania, Stoleriu A.P., **Bobric E. D.**, Breabăn I. G
16. EGU General Assembly Conference Abstracts, “Correlation between soil organic carbon variation and land use changes in Neamțu catchment.”, (**Bobric E. D.**, Rusu E., Melniciuc-Puica N., Breabăn I. G.);
17. EGU General Assembly Conference Abstracts 19, 18865, “Mapping soil organic carbon stock in the area of Neamtu Catchment, Northeastern Romania.”, (Breaban A.I. , **Bobric E.D.**, Breaban I.G., Rusu E.);
18. International Multidisciplinary Scientific GeoConference SGEM – Albena (2016, 2017);Breaban AI, **Bobric E.D.**, Breaban I.G., Rusu E, 2017, “Mapping soil organic carbon stock in the area of Neamtu Catchment, Northeastern Romania”, EGU General Assembly Conference Abstracts 19, 18865;
19. **Bobric E. D.**, Rusu E., Melniciuc-Puica N., Breaban I. G., 2017, “Investigation of carbon content from Neamtu Catchment soils using ftir spectroscopy , Romania”; International U.A.B.-B.E.N.A. Conference Environmental Engineering and Sustainable Development; abstract;http://uab.ro/conference/bena/index1.php?compartimentul=1_admin_antet_conferinte&limba=en&cale=pg&grup=workshop_bena_2011&menu=conferinte&sub_menu=program ;
20. Juravle D. T., Secu C. V., Breabăn I.G., Lesenciuc D. C., Kasper H. U. **Bobric E. D.**; 2015, “Pedo-geochemical differences between young soils: regosol and polyc technosols in northern part of Eastern Carpathians (Romania)”, CSA 2015 Joint International Conference: 8th International Symposium on Cement Based Materials for a Sustainable Agriculture & Environmental Approaches – Moving Forward Agricultural Farm Sustainability; abstract; volum non-BDI;61; 62. http://www.exhibitions-innovations.ro/csa2015/files/Conference_Program.pdf
21. **E. D. Bobric**, I. Cretescu, Breabăn I.G; 2015, “Study Of Urban Air Quality From Romania North Eastern Development Region”; International U.A.B.-B.E.N.A. Conference Environmental Engineering and Sustainable Development; abstract; volum non-BDI; 40; 40 http://www.uab.ro/upload/219_PROGRAM_UABBENA_2015_final_25mai3_mic.pdf ;